

Forma 5

TECHNICAL FEATURES

**PLURAL**

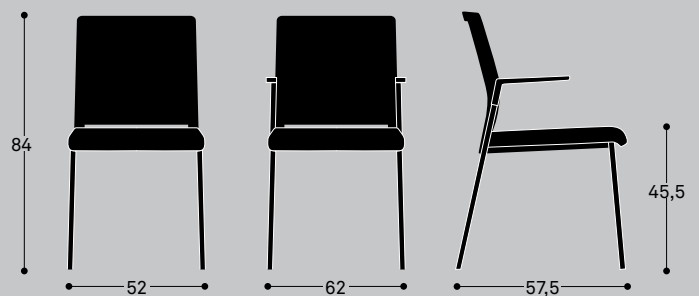


# STATIONARY CHAIR | 4-LEGGED MESH BACKREST



## DIMENSIONS

|                                  |                |
|----------------------------------|----------------|
| Height                           | 84 cm          |
| Seat height                      | 45,5 cm        |
| Width (without arms/ with arms)  | 52 / 62 cm     |
| Depth                            | 57,5 cm        |
| Fabric meters                    | 0,6 m          |
| Weight (without arms/ with arms) | 7,69 / 8,13 kg |



Dimensions in centimeters

# STATIONARY CHAIR | CANTILEVER MESH BACKREST / STACKABLE CANTILEVER MESH BACKREST

**Frame**  
Reinforced  
polyamide

**Mesh**  
WEB  
MECI

**Arms**  
Without arms  
Polyamide armpads

**Seat**  
Upholstered injected  
polyurethane foam seat

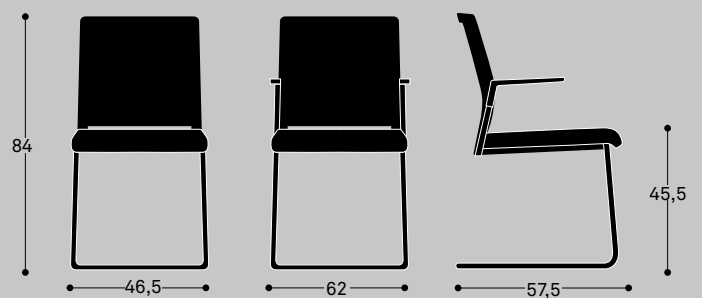
**Lower shell**  
Polypropylene

**Semioval  
steel tube**

**Glide**  
With glides for floor support  
Without glides (for carpet)

## DIMENSIONS

|                                  | Cantilever     | Stackable<br>cantilever |
|----------------------------------|----------------|-------------------------|
| Height                           | 84 cm          | 84 cm                   |
| Seat height                      | 45,5 cm        | 45,5 cm                 |
| Width (without arms/ with arms)  | 46,5 / 62 cm   | 46,5 / 62 cm            |
| Depth                            | 57,5 cm        | 57,5 cm                 |
| Fabric meters                    | 0,6 m          | 0,6 m                   |
| Weight (without arms/ with arms) | 8,34 / 8,78 kg | 8,74 / 9,18 kg          |



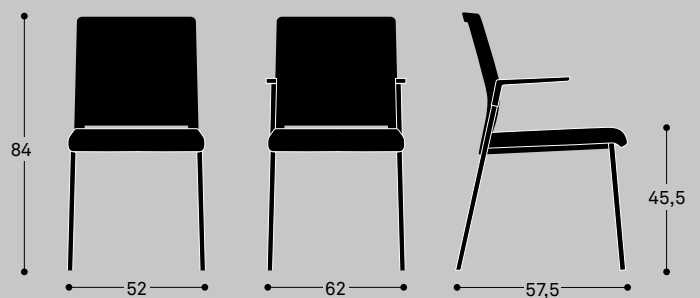
Dimensions in centimeters

# STATIONARY CHAIR | 4-LEGGED 3D RUNNER MESH OR UPHOLSTERED BACKREST



## DIMENSIONS

|                                  |                |
|----------------------------------|----------------|
| Height                           | 84 cm          |
| Seat height                      | 45,5 cm        |
| Width (without arms/ with arms)  | 52 / 62 cm     |
| Depth                            | 57,5 cm        |
| Fabric meters                    | 0,6            |
| Weight (without arms/ with arms) | 8,80 / 9,24 kg |



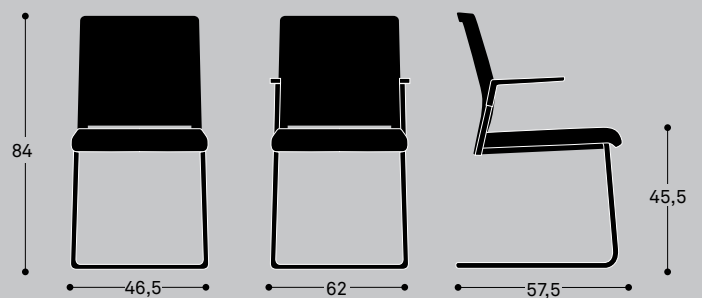
Dimensions in centimeters

**STATIONARY CHAIR** | CANTILEVER 3D RUNNER MESH UPHOLSTERED BACKREST /  
STACKABLE CANTILEVER 3D RUNNER MESH UPHOLSTERED BACKREST



**DIMENSIONS**

|                                  | Cantilever     | Stackable cantilever |
|----------------------------------|----------------|----------------------|
| Height                           | 84 cm          | 84 cm                |
| Seat height                      | 45,5 cm        | 45,5 cm              |
| Width (without arms/ with arms)  | 46,5 / 62 cm   | 46,5 / 62 cm         |
| Depth                            | 57,5 cm        | 57,5 cm              |
| Fabric meters                    | 0,6 m          | 0,6 m                |
| Weight (without arms/ with arms) | 9,45 / 9,89 kg | 9,85 / 10,29 kg      |



Dimensions in centimeters



# STATIONARY CHAIR | 4-LEGGED UPHOLSTERED BACKREST

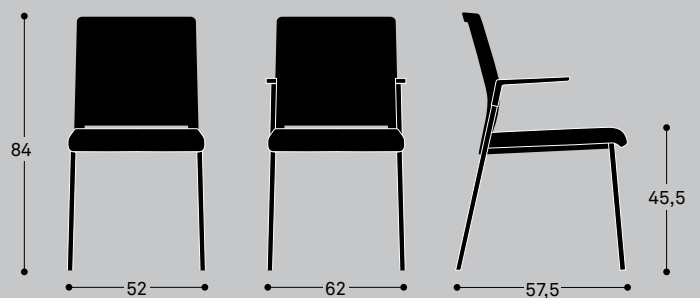


## DIMENSIONS

|                                  |                |
|----------------------------------|----------------|
| Height                           | 84 cm          |
| Seat height                      | 45,5 cm        |
| Width (without arms/ with arms)  | 52 / 62 cm     |
| Depth                            | 57,5 cm        |
| Fabric meters                    | 1,4 m          |
| Weight (without arms/ with arms) | 8,80 / 9,24 kg |



4 Without casters



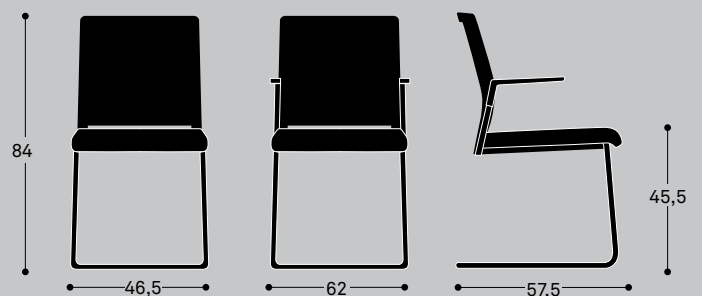
Dimensions in centimeters

# STATIONARY CHAIR | CANTILEVER UPHOLSTERED BACKREST / STACKABLE CANTILEVER UPHOLSTERED BACKREST



## DIMENSIONS

|                                  | Cantilever     | Stackable cantilever |
|----------------------------------|----------------|----------------------|
| Height                           | 84 cm          | 84 cm                |
| Seat height                      | 45,5 cm        | 45,5 cm              |
| Width (without arms/ with arms)  | 46,5 / 62 cm   | 46,5 / 62 cm         |
| Depth                            | 57,5 cm        | 57,5 cm              |
| Fabric meters                    | 1,4 m          | 1,4 m                |
| Weight (without arms/ with arms) | 9,45 / 9,89 kg | 9,85 / 10,29 kg      |



Dimensions in centimeters



## ELEMENT DESCRIPTION

### MESH BACKREST

460 mm high, 13 mm thick and 450 mm wide rectangular polyamide frame, reinforced with fiber glass. The mesh (Web or Meci) is reinforced with polyamide threads.



WEB or MECI Mesh

### UPHOLSTERED / 3D RUNNER MESH UPHOLSTERED BACKREST

5 mm thick polypropylene structure, reinforced with some nerves. 30 mm thick and 60 kg/m<sup>3</sup> density injected polypropylene foam. Upholstered with plateband around the perimeter.



3D RUNNER mesh upholstered



Upholstered

### SEAT

4 mm average thick polypropylene base, reinforced with some nerves. 40 mm thick and 62 kg/m<sup>3</sup> density injected polyurethane foam. The upholstery hides the lower tubes of the structure.



Seat

### STRUCTURES

**4-LEGGED:** four 24 x 20 x 2 mm semioval straight steel tubes. 100 microns epoxy painting. Black polypropylene glides as floor support. The tubes extend up in chairs with arms, finishing with 240 x 40 x 6 mm polyamide armpads, reinforced with fiber glass.

**CANTILEVER:** double "S" 24 x 20 x 2 mm semioval steel tube structure. The structure provides a cushion effect. 4 polypropylene anti-sliding glides included or without glides. The stackable version is made of a 25 x 2,5 mm rounded tube (stackable up to 3 units horizontally). The tubes extend up in for chairs with arms, finishing with 240 x 40 x 6 mm polyamide armpads, reinforced with fiber glass.

**4-LEGGED WITH CASTERS:** straight front legs and curved rear legs, provided with Ø 50 mm casters. The tubes extend up in chairs with arms, finishing with 240 x 40 x 6 mm polyamide armpads, reinforced with fiber glass.



4 legged



4 legged with casters



Cantilever



Writing pad



### PAD (4 legs)

With 13 mm thick kompress board with a 220 x 335 mm writing surface. The anti-panic aluminium mechanism allows to place the writing surface on an horizontal and vertical position. Its locks is located in the lateral side of the user. Possibility to choose the mechanism with turn in the left and the right. The ergonomics of the pad allows the leaning adapting to the needs of the user. The distance of the user to the board may be adjusted as well. Board with grey finish, with black edge and mechanism knot double layer silver grey. The pad allows the chair stackability.

### ARMS

Fixed polyamide arms.

### FLOOR SUPPORT

4-legged stationary chairs:



Glides



Double wheel  
caster Ø 50 mm



Soft double wheel  
Ø 50 mm

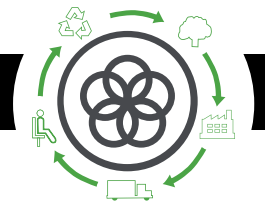
### UPHOLSTERED

Seat available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers. Backrest available with Goal mesh or all the range of Forma 5 fabrics. Consult fabrics brochure and Forma 5 Pricelist.

The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure includes a selection of the Camira fabrics, if the customer requires another specific, Forma 5 will upholster any of its fabrics in any fabric from Camira catalog.

### PACKING

As standard, the chair goes assembled and protected with a plastic packing. For further packaging options, please ask us.



Life Cycle Analysis  
**PLURAL PROGRAM**



| RAW MATERIALS              |        |      |
|----------------------------|--------|------|
| Raw Material               | Kg     | %    |
| Steel                      | 5,3 Kg | 61 % |
| Plastic                    | 3 Kg   | 34%  |
| Upholstery/ Foam (Various) | 0,4 Kg | 5%   |

% Recycled materials= 38%  
% Recyclable materials= 82%

## Ecodesign

Results reached during the life cycle stages



### MATERIALS

**Wood**  
70% recycled material and certified with the PEFC/FSC and E1.

**Steel**  
15%-99% recycled material.

**Aluminium**  
60% recycled material.

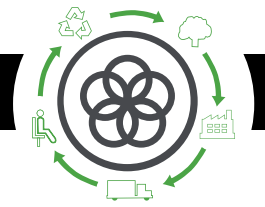
**Plastic**  
30%-40% recycled material.

**Paintings**  
Powder painting without COV emissions

**Staff material**  
Without HCFC and certified by Okotext.

**Upholsteries**  
Without COV emissions and certified by Okotext.

**Packings**  
100% recyclable with inks with no solvents.



**PRODUCTION**

**Raw materials use optimization**

Board, upholstery and steel tubes cut.

**Renewable energies use**

reducing the CO2 emissions. (Photovoltaic pannels)

**Energy saving measures**

in all production process

**COV global emission reduction**

of the production processes by 70%.

**Podwer painting**

ecoverly of 93% of the non deposited painting

**Glue removal from the upholstery**

The facilities have an internal sewage for liquid waste.

**Green points**

at the factory

**100% waste recycling**

at production process ans dangerous waste special treatment.



**TRANSPORT**

**Cardboard use opmitization**

of the packings

**Cardboard and packing materials use reduction**

**Flat packings and small bulks**

to optimize the space.

**Solid waste compacter**

which reduces transport and emissions.

**Light volumes and weights**

**Transport fleet renewal**

reducing by 28% the fuel consumption.

**Suppliers area reduction**

Local market power and less pollution at transport.



**USE**

**Easy maintenance and cleaning**

without solvents.

**Forma 5 guarantee**

**The highest quality**

for materials to provide a 10 year average life of the product.

**Useful life optimization**

of the product due to a standarized and modular design.

**The boards**

with no E1 particle emission.



**END LIFE**

**Easy unpacking**

for the recyclability or compound reuse.

**Piece standarization**

for the use.

**Recycled materials used for products (% recyclability):**

Wood is 100% recyclable.

Steel is 100% recyclable.

Aluminium is 100% recycable.

Plastics are from 70 to 100% recyclable.

**With no air or water pollution**

while removing waste.

**Returnable, recyclable and reusable packing**

**Product recyclability 82%**

# CHAIR MAINTENANCE AND CLEANING GUIDE

LINES FOR A CORRECT CHAIR CLEANING AND MAINTENANCE, CONSIDERING THE DIFFERENT MATERIALS:

## FABRICS

---

- 1 Vacuum often.
- 2 Rub the dirty spot with a wet cloth with PH neutral soap.  
Test first on a hidden spot.
- 3 Dry foam for carpets can be alternatively used.

## PLASTIC PIECES

---

Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.

## METAL PIECES

---

- 1 Rub the dirty spots with a wet cloth with PH neutral soap.
- 2 Polished aluminium pieces can have their polish back by covering and rubbing them with a dry cotton cloth.

## LEGAL TERMS

---

### CERTIFICATES

---

Forma 5 certifies that the Plural program has passed all tests provided by our intern Quality Department, as well as the Technological Research Center (TECNALIA) with “satisfactory” results:

UNE EN 16139: 2013: “Furniture - Strength, durability and safety - Requirements for non-domestic seating”.

UNE EN 13761: 2004: “Office furniture. Visitor chairs”.

UNE EN 1728: 2000: “Home furniture. Test methods to determine the resistance and durability”.

UNE EN 1022:1996: “Home furniture. Seats. Stability determination”.

Developed by JOSEP LLUSCÀ